

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 through 18 (cancelled)

Claim 19 (new): Multistable actuator, comprising:
a mobile part intended to be moved between at least
two stable positions,
opposing movement means for moving said mobile part,
guide means for guiding the movement of said mobile
part, and
support means for holding the mobile part in each of
the stable positions that it occupies,
wherein said movement means are two opposing movement
means, each made of a shape memory alloy,
and wherein the mobile part, the movement means and
the guide means are produced in the form of a shape memory
alloy-based one-piece structure, of which at least the
movement means have been subjected to a treatment
conferring shape memory properties thereon.

Claim 20 (new): Actuator according to claim 19,
wherein the mobile part, the movement means, the guide
means, and the support means are produced in the form of a

shape memory alloy-based one-piece structure, of which at least the movement means have been subjected to a treatment conferring shape memory properties thereon.

Claim 21 (new) : Actuator according to claim 19, wherein said movement means are made of a shape memory alloy belonging to the group consisting of Ni-Ti, Ni-Ti-Cu, Cu-Al-Ni, Cu-Al-Be, Fe-Pt, Fe-Rd or Fe-Ni-Co-Ti.

Claim 22 (new) : Actuator according to claim 19, wherein the two opposing movement means are made of a single two-way shape memory alloy.

Claim 23 (new) : Actuator according to claims 19, wherein guide means, and the support means constitute an integrated stepper mechanism.

Claim 24 (new) : Actuator according to claim 19, wherein it is an actuator with rotary movement.

Claim 25 (new) : Actuator according to claim 19, wherein it is an actuator with linear movement.

Claim 26 (new) : Actuator according to claim 19, wherein the guide means comprise at least one sliding bearing and the support means comprise projecting portions

in one of the two parts among the mobile part and a reference part, and recessed portions in the other of these parts.

Claim 27 (new) : Actuator according to claim 19, wherein said guide means comprise a plurality of elastic beams and the support means comprise recessed portions in the mobile part and projecting portions in a reference part.

Claim 28 (new) : Actuator according to claim 19, wherein the projecting portions are flexible blades.

Claim 29 (new) : Actuator according to claim 19, wherein the one-piece structure is made from a shape memory alloy-based planar part by means of a laser cutting method.

Claim 30 (new) : Actuator according to claim 19, wherein the one-piece structure is made from a shape memory alloy-based planar part by means of an electrical discharge machining method, electrolithography, cathode spray deposition or waterjet cutting.

Claim 31 (new) : Actuator according to claim 19, wherein it is a bistable actuator in which the mobile part moves between two stable positions.

Claim 32 (new) : Actuator according to claim 19, wherein the guide means and the support means are merged and consist of pre-stressed embedded beams of which the buckling enables the mobile part to move.

Claim 33 (new) : Tactile interface, wherein it implements at least one one-piece structure comprising a plurality of multistable actuators comprising:

a mobile part intended to be moved between at least two stable positions,

opposing movement means for moving said mobile part, guide means for guiding the movement of said mobile part, and

support means for holding the mobile part in each of the stable positions that it occupies,

wherein said movement means are two opposing movement means, each made of a shape memory alloy,

and wherein the mobile part, the movement means and the guide means are produced in the form of a shape memory alloy-based one-piece structure, of which at least the movement means have been subjected to a treatment conferring shape memory properties thereon.

Claim 34 (new) : Interface according to claim 33, wherein it also includes heating means for heating the shape memory alloy-based movement means.

Claim 35 (new) : Interface according to claim 34,
wherein said heating means comprise heating resistors.

Claim 36 (new) : Interface according to claim 34,
wherein said heating means comprise electrically conductive
rods.